Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/28/2017 11:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124637	-1	1.43	124532	1.42
Blue	F	SSC	125000	123284	-2	2.78	123608	2.57
Blue	E	FITC	21625	20839	-4	2.36	926	9.91
Blue	D	PE	26832	26407	-2	1.89	949	9.27
Blue	B	PerCP-Cy5-5	48027	47122	-2	3.25	1349	16.22
Blue	A	PE-Cy7	40971	40928	-1	4.82	634	33.91
Red	C	APC	49746	49706	-1	2.76	2862	9.35
Red	A	APC-Cy7	53615	52866	-2	2.73	1091	11.02
Violet	B	V450	14488	13621	-6	5.46	655	9.53
Violet	A	V500	55123	53236	-4	5.28	2358	7.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18978	4.56	602	4	N/A	N/A	Pass
Blue	F	SSC	61270	1.43	533	-1	N/A	N/A	Pass
Blue	E	FITC	106	38.44	533	-3	0.0227	236	Pass
Blue	D	PE	208	28.15	529	-2	0.1864	278	Pass
Blue	B	PerCP-Cy5-5	210	44.48	624	-5	0.0113	152	Pass
Blue	A	PE-Cy7	71	112.57	675	-6	0.0131	16	Pass
Red	C	APC	335	27.23	589	-5	0.0209	67	Pass
Red	A	APC-Cy7	119	39.54	572	-8	0.0058	1577	Pass
Violet	B	V450	79	42.59	468	-3	0.0520	2199	Pass
Violet	A	V500	171	24.71	494	-2	0.0146	876	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.71	-31.46	0.84
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	17.53	13.27 - 19.91	N/A	N/A	31.74	32.01	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13579

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments